

## APPENDIX C

### EMERGENCY RESPONSE COMPONENTS OF LARGE WATER SUPPLIERS IN RHODE ISLAND

Agency		Emergency Equipment Available (1990)	Emergency Connections with Neighbor Communities as of 1990
WD #	Name		
1	Block Island Water Authority	Adequate standby pumping (2 sets of water pumps), inadequate emergency power (but have plans to put in as soon as possible)	
2	Bristol County Water Authority	Three pumps at Shad Factory Reservoir P.S. when needed Adequate standby pumping Adequate emergency power	2-8" pipe to East Providence
3	Cranston Water Department	Adequate standby pumping Adequate emergency power (testing weekly)	4-8" to WD-10 (Johnston) 1-24" to WD-22 (PWSB)
4	Cumberland Water Department	No emergency power at C.W.T.P. Adequate standby pumping Inadequate emergency power	1-8" to WD-13 (Lincoln) 1-8" to WD-20 (Pawtucket)
5	East Providence Water Department	N/A	2-6" WD-02 (Bristol) 1-42" to WD-22 (PWSB) 3-12" to WD-20 (Pawtucket)
6	East Smithfield Water Department	No reservoir No tank	8" & 12" to WD-22 (PWSB) 1-4" to WD-24 (Smithfield)
7	Greenville Water District	Adequate standby pumping Adequate emergency power A standby pump with 130 Hp	1-16" to WD-22 (PWSB)
8	Harrisville Fire District	N/A	10" & 6" to WD-19 (Pascoag)

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WD #	Name		
9	Jamestown Water Division	Inadequate standby pumping Inadequate emergency power	
10	Johnston Water Department	One standby pump Adequate emergency power-diesel engine	
11	Kent County Water Authority	Inadequate standby pumping Installing emergency power at all pumping stations and wells.	Several connections to Providence and available capacity from the Hunt River and Coventry well-field 1-12" to WD-16, ( North Kingstown) 2 connect to WD-22 (PWSB) 1 connect to WD-28 (Warwick)
12	Kingston Water District	Adequate standby pumping and emergency power.	1-4" connect to URI 1-8" connect to URI
13	Lincoln Water Department	1 backup water line 1 backup pump Adequate standby pumping and emergency power.	Have a backup water line to Providence and a backup pump there 1-12" to WD-20, (Pawtucket) 1-8" to WD-04 (Cumberland) 10" and 6" to WD-30 (Woonsocket) Lonsdale wellfield potentially available.

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WD #	Name		
14	Narragansett Water Division	generator, pumps	1-12" to WD-27, (Wakefield) 1-12" to WD-16 (N. Kingstown) 1-10" to South Wakefield
15	Newport Water Department	Adequate standby pumping for intermd. low service area only.  Adequate emergency power for high & low service areas but not intermd. area.	1 connect to WD-21 (Portsmouth) 16 connects to Navy
16	North Kingstown Water Supply Department	Inadequate standby pumping	Supplied by 3 aquifers Can get water through Narragansett by Wakefield 1-12" to WD-11 (Kent County) 1-10" to Port Authority 1-12" to WD-14 (Narragansett) (only one way, sale to WD-14)
17	N. Smithfield-Slatersville Water Corporation	N/A	
18	North Tiverton Fire District	Adequate standby pumping	8" connection with WD 26 (Stone Bridge)
19	Pascoag Fire District	Inadequate standby pumping Inadequate emergency power	8" & 10" to WD-08 (Harrisville)

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20	Pawtucket Water Supply Board	Adequate standby pumping Adequate emergency power	2-24" to Central Falls, 1-8" to WD-04 (Cumberland) 3-8" to WD-22 (PWSB) Connections with WD-13 (Lincoln) and Seekonk, MA 3-12" to WD-5 (East Providence)
21	Portsmouth Water and Fire District	Adequate standby pumping at both stations Adequate emergency power at both stations and main office	1-12" pip to WD-15 (Newport) 1-10" to WD-26 (Stone Bridge)
22	Providence Water Supply Board	2 emergency power sources in water treatment plant	
23	Richmond Water Supply System	Inadequate standby pumping Inadequate emergency power	
24	Smithfield Water Supply Board	N/A	1-12" pipe to WD-22 (PWSB)
25	South Kingstown Water Department	Adequate standby pumping Inadequate emergency power	1-12" to WD-27 (Wakefield)
26	Stone Bridge Fire District	Inadequate standby pumping? Adequate emergency power (check weekly)	Several connections to <del>WD-11 (Kent)</del> <del>WD-11 (Kent)</del> <del>WD-11 (Kent)</del>

- does this reflect transferring water from one part of the district to another?
  - operator feels this misrepresents the water system - Check in update 1
- contact: DANA SOMNER  
625-15024
- This was copied properly from A.O. Little report. original data was obviously flawed - require correction in the update.

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27	Wakefield Water Company	Standby pumping	One connection to WD-11 (Kent County) 1-12" to WD 25 (South Kingstown) 2-12" to WD-14 (Narragansett)
28	Warwick Water Department	N/A	30" & 42" to WD-22 (PWSB) 1-24" to WD-11 (Kent County) 1 connection to WD- 3 (Cranston) 1 connection to WD- 11 (Kent County)
29	Westerly Water Department	N/A	No connections with other system
30	Woonsocket Public Works Department	Adequate standby pumping Mt. St. Charles High Service has a standby power and pump	1-6" to WD-13 (Lincoln) currently inactive, could be reconnected

**Source:** Arthur D. Little, Inc. 1990. *Water Supply Analysis for the State of Rhode Island, Final Report to the Water Resources Coordinating Council*, October 1990.

**Note:** Some of the calculations, allocations and estimates for individual water departments are based on general prevailing Statewide or regional situations. Individual numbers reported for water, sufficient for the purpose of findings and conclusions for a statewide water plan (ADL).